

[54] INTRAOCULAR LENS

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[58] Field of Search ..... 623/6

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[57] ABSTRACT

Intraocular lens including a meniscus lens optic with a convex anterior surface, a concave posterior surface and a double barrier ledge. The double barrier ledge includes an interrupting channel. A plurality of loops, such as continuously curved J-shaped blue loops, secure at an angle of 0°-10° to the plane of the optic. The double barrier ledge, including the U-shaped channel or other geometrically configured channel between the two ledges, provides a double barrier ledge like seal around the posterior capsule of the eye holding back migration of the cortical epithelium. The double barrier ledge causes a seal which prevents aqueous flowing back to the optical zone of the capsular bag. In the case of a dissection or laser capsulotomy, the double barrier seal prevents vitreous strands from passing beyond and inner edge of the ledge. Other optics for lenses, such as plano-convex or bi-convex, can utilize the double ledge principle.

11 Claims, 8 Drawing Figures

